

DATE

Tuesday 24 - Thursday 26 November 2020

# Scientific program

as at 17 November 2020 program is subject to change # refers to abstract number

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### Tuesday 24 November 2020 | 12.00 – 5.15 pm Australian Eastern Daylight Time (AEDT)

	•	Daylight Time (AEDT)
12.00 – 12.46 Conference opening		
Dr Danijela Gnjidic, ASCEPT President		
Assoc Prof Joseph Nicolazzo, APSA President		
Dr Dan Wright, ASCEPT Co-chair		
Dr Jonathan Penm, APSA Co-chair		
Opening keynote presentation		
Chair: Prof Kevin Pfleger, The University of West		Sponsored by
Molecular phenomic and systems medicine ap	proaches to healthcare in a COVID-19	Bh Bellberry Limited
dominated world - 100		<b>BD</b> supporting research and ethics
Prof Jeremy Nicholson, Murdoch University, Per	τη	
12.48 – 1.08 Concurrent session		
Meet the speaker discussion group with Prof Je		osters and visit the sponsors portal
Facilitator: Prof Kevin Pfleger, The University of	Western Australia	
(20 pre-registered participants)		
1.08 – 1.14 Mini break		
1.15 – 2.15 Concurrent symposiu	um sessions	
Symposium 1: Communicating science in an	Symposium 2: Peptide therapeutics	Symposium 3: Novel approaches to solving
age of uncertainty		the antibacterial resistance crisis: TB and
		Malaria
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	BMGLABTECH	
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The Power of Precision		
	14th Australian Peptide Conference "Peptides in Paradise"	
	17th-22th October 2021 Surfers Paradise, QLD	
Chair: Dr Ian Musgrave, University of Adelaide	Chairs: Prof Ross Bathgate, Florey Institute of	of Chair: Assoc Prof Lisa Kaminskas, The
	Neuroscience and Mental Health, and	University of Queensland
	Dr Martina Kocan, The University of	
	Melbourne	
Frankenfood and factory farms: Lessons from	Structure and dynamics of class B1 G prote	-
communicating science in agriculture - 101	coupled receptors - 105	tuberculosis drugs - 109
Dr Heather Bray, University of Western	Prof Patrick Sexton, Monash University	Assoc Prof David Ascher, Baker institute/ Bio22
Australia		
Communicating science in an age of	Discovery and development of novel amyli	
uncertainty: The foam and the fury – PFAS and possible risk of cancer - <u>102</u>	agonists for obesity and diabetes - 106	- 110 Prof Jan-Willem C. Alffenaar, The University of
Prof Nicholas Buckley, The University of Sydney	Prof Debbie Hay, University of Auckland, Ne	-
To Micholds Buckley, the Oniversity of Sydney	Zealand	Sydney
Communicating vaccine risk in the age of	Fluorescence imaging of peripheral nerves	by Bromodomain proteins as potential malaria
COVID-19, lessons from communicating	a NaV1.7-targeted inhibitory cystine knot	drug targets - <u>111</u>
toxicological fears to vaccine refusers - 103	peptide - <b>107</b>	Dr Michael Duffy, Melbourne University
Dr Ian Musgrave, University of Adelaide	Assoc Prof Christina Schroeder, National	
	Cancer Institute, USA	
Communicating quality use of medicines	Unique mechanisms of GPCR biased signal	ling Panel discussion
during COVID-19 - 104	by peptidomimetic agonists of the relaxin	
Assoc Prof Darren Roberts, University of New	receptor RXFP1 - 108	
South Wales	Prof Ross Bathgate, Florey Institute of	
South Wales		
	Neuroscience and Mental Health	

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2.15 – 2.29 Coffee break

## Tuesday 24 November 2020 continued

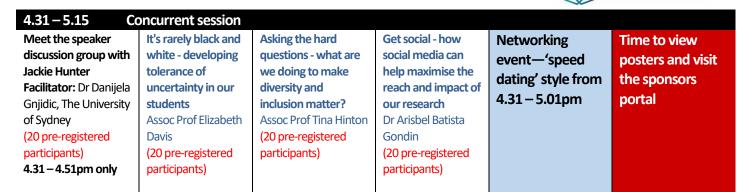
2.30 – 3.50 Concurrer	nt oral sessions		
Oral presentations 1: Education	Oral presentations 2: Oncology	Oral presentations 3: Toxicology and medicines-related harm	Oral presentations 4: Drug Discovery
Chair: Dr Sarira El-Den, The	Chair: Dr Anna-Marie Babey,	Chair: Dr Rachael Farrington, The	Chair: Dr Katie Leach and Dr Lauren
University of Sydney	University of New England	University of Adelaide	May, Monash University
Interprofessional student-led Influenza Vaccination Clinic - 112 Prof Jane Hanrahan, The University of Sydney	Effect of phenethyl- isothiocyanate on human breast cancer cells MDA-MB-231 and MCF-7 - 117 Dr Suong Ngo, The University of Adelaide	Exploring the TRAIL of doxorubicin-induced cardiotoxicity - 122 Ms Michelle Sims, University of Adelaide	Characterising G protein coupling of angiotensin II and bradykinin receptor heteromers using mini G proteins - 127 Dr Elizabeth Johnstone, Harry Perkins Institute of Medical Research
Learning on the run – Pharmacy educators' experiences with the Australian Pharmacy Residency Program - 113 Mr Chih Yuan (Jason) Wang, The University of Queensland	Androgen regulated UDP- glucuronosyltransferases (UGT) 2B11 and 2B28 are prognostic indicators in luminal androgen receptor positive/molecular apocrine breast cancer - 118 Assoc Prof Robyn Meech, Flinders University	The prevalence of medication- related hospital admissions in Australia: A systematic review and meta-analysis - 123 Miss Isabelle Gillooly, The University of Sydney	A new pertussis toxin-like protein complex as a tool for investigation of GPCR-Gαi and Gαz signalling - 128 Mr Alastair Keen, Monash University
How do consumers interact with pharmacy students in educational settings? A systematic review 114 Mr William Nguyen, The University of Sydney Preparation for practice – Implementation of an eBootcamp interactive prescribing series of workshops for final year medical students - 115 Assoc Prof Kellie Charles, The University of Sydney	A preliminary study on the anti- melanoma effect of novel resveratrol nanoparticle formulations - 119 Dr Yan Jing Yee, Curtin University Triple negative breast cancer: Screening for the invasion amplifying cAMP-calcium feedforward loop mechanism - 120 Mr Terrance Lam, Monash University	National suicide prevention strategies by reducing access to poisons: A systematic review - 124 Miss Jessy Lim, The University of Sydney Harm from cardiovascular medications: The omitted 'C' - 125 Miss Chariclia Paradissis, The University of Queensland	Differential G protein activation kinetics may underpin the beneficial aspects of clinically trialled adenosine A1 receptor atypical agonists - 129 Ms Samantha McNeill, Monash University The structural basis for the UDP-sugar selectivity of human UDP- glycosyltransferase 2B7 (UGT2B7): A combined computational and experimental approach - 130 Dr Pramod Nair, Flinders University
Can multiple choice questions examine application of knowledge in online assessments? - 116 Dr Suong Ngo, The University of Adelaide	The role of UGT enzymes as novel modulators of lipid biosynthesis and SREBP signalling in breast cancer - 121 Mr Jai Meyers, Flinders University	The prevalence and characteristics of psychotropic- related hospitalisations in older people: A systematic review and meta-analysis - 126 Ms Ilsa Wojt, The University of Sydney	Characterisation of the G protein coupling profiles of PAC1 receptor splice isoforms - 131 Miss Jessica Lu, Monash University

### 3.50 – 3.59 Mini break

4.00 – 4.30 British Pharmacological Society keynote presentation

Chair: Dr Danijela Gnjidic, The University of Sydney

The use of AI to enhance the success and efficiency of drug discovery and development - 132 Prof Jackie Hunter, Board Director, BenevolentAI, UK



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SOCIETY

## Wednesday 25 November 2020 | 12.00 – 6.00 pm Australian Eastern Daylight Time (AEDT)

10.00 - 11.00		Annual General Meeting of ease contact ASCEPT Executive O		@ascept.org for zoom link.
9.00 - 11.59	Time to vie	w posters and onsors portal	Sponsored by	<i>pharmaceuticals</i> improve your health
12.00 - 12.42	Concurrent	session		
		ward for Women	Pharmaceutical Society of	Australia (PSA) sponsored
<b>Chair:</b> Dr Danijela Gn			lecture (12.00 – 12.30)	
-		nacology of Australia's most	Chair: Dr Janet Sluggett, University	v of South Australia
venomous plant "Gy	-		Global solutions to global challen	
Dr Jennifer Deuis, Th			Prof Parisa Aslani, The University of	
ASCEPT Gillian S	nenfield Earl	y Educator Award	· · · · · · · · · · · · · · · · · · ·	
Chair: Assoc Prof Eliz			Sponsored by Sponsored by	armaceutical
<b>An adaptive e-tutori</b> Dr Eryn Werry, The L	-	nent of critical appraisal skills - 201 Iney	ZS™ Soc	armaceutical ciety of Australia
12.45 – 2.20	Concurrent	oral sessions		
ASCEPT Garth McQu		Oral presentations 5: Clinical	Oral presentations 6: Respiratory	Oral presentations 7: Pharmacy
oral prize		Pharmacology	and Cardiovascular	Practice
		Sponsored by	Pharmacology	
		Sponsored by		
Chairs: Dr Nicola Smi	th, University	Chair: Dr David Liew, Austin	Chair: Assoc Prof Stavros	Chair: Dr Sara McMillan, Griffith
of New South Wales		Health	Selemidis, RMIT University, and	University
Dr Carl White, Unive	rsity of		Mr Charlie Cohen, Baker Heart	
Western Australia			and Diabetes Institute	
Biased negative allo		Predictive performance of	Apocynin ameliorates cigarette	The psychosocial and work
modulators for the o		population pharmacokinetic	smoking-induced loss of skeletal	related impacts of the COVID-19
sensing receptor hav	e differential	models for tacrolimus in lung	muscle mass and function by	pandemic on Australian
bronchodilator and	ffa ata in	transplant recipients - 209	preserving protein synthesis	Pharmacists - 221
bronchoprotective e mouse precision cut		Ms Rani Singh, University of New South Wales	signalling - 215 Dr Stanley Chan, RMIT University	Mrs Karlee Johnston, Australian National University
- 203	iung silces		Di Stanley Chan, Niviri Oniversity	National Oniversity
Miss Jiayin Diao, Mo	nash			
University				
Effects of ABC transp	orter	Intracellular enzymatic activation	Spatial reference memory	Do pharmacy practice standards
modulation on olan	apine entry	of 4-hydroxycylophosphamide in	impairment is augmented in	effectively describe behaviour?
nto the developing	brain - <mark>204</mark>	leukocytes - <mark>210</mark>	hypertensive mice following	Reviewing practice standards
Miss Yifan Huang, Th	e University	Mr Minghan Yong, University of	stroke - 216	using a behavioural specificity
of Melbourne		Auckland	Dr David Wong Zhang, La Trobe	framework 222
			University	Ms Deanna Mill, University of
Evaluation of a com	nination	The influence of haemostatic	Relaxin inhibits matrix	Western Australia Expanding primary health care
herapy that provide		system maturation on the dose-	remodelling of collagen gels by	pharmacy practice in Aotearoa
renoprotection agai		response relationship of	asthmatic fibroblasts - 217	New Zealand: Testing theories
DOCA/salt-induced		unfractionated heparin - 211	Dr Maggie Lam, Monash	using a realist-informed approad
205		Mr Abdallah Derbalah, University	University	- 223
Ms Yifang Li, Monasł	University	of Otago		Dr Caroline Morris, University of
				Otago
Cigarette smoking d		Towards precision dosing of	Anandamide-induced	Interprofessional collaboration of
worsen skeletal mus		vancomycin in critically ill	vasodilatation in normotensive	general practice pharmacists in
contractile function		patients: Evaluating predictive	and hypertensive rats - 218	the Australian Capital Territory
caused by acute vira	i intection in	performance of pharmacometric	Ms Daria Kornienko, The	- 224 Mrs Thilini Sudoshika, University (
<b>mice - <mark>206</mark> Mr Kevin Mou, RMI</b> I	Iniversity	models in Intensive Care Unit patients - 212	University of Melbourne	Mrs Thilini Sudeshika, University o Canberra
	University	Mr Christopher Cunio, University		
		I will childstopher curily, University		

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Deletion of orphan GPCR, GPR37L1, alters autonomic control of cardiovascular homeostasis in mice - 207 Ms Margaret Mouat, University of New South Wales	Circulating intestinal fatty acid binding protein and gastrointestinal toxicity in Russell's Viper envenomation - 213 Dr Varan Perananthan, Royal Prince Alfred Hospital	The pro-resolving lipid mediator lipoxin A4 protects against inflammation in diabetic cardiomyopathy - 219 Ms Ting Fu, The University of Melbourne	Pharmacists' roles in supporting people living with severe and persistent mental illness: A systematic review - 225 Ms Ricki Ng, The University of Sydney		
The nitroxyl donor Angeli's salt circumvents nitric oxide resistance in the insulin-resistant diabetic myocardium - 208 Ms Anida Velagic, Monash University	Quality analysis of commercially available Annona muricata leaf products - 214 Ms Wai Jo Jocelin Chan, The University of Sydney	<b>Ebselen prevents cigarette</b> <b>smoke-induced cognitive</b> <b>impairment in mice - 220</b> Dr Simone De Luca, RMIT University	Are Australian community pharmacists engaging in mental health promotion? - 226 Mr Oliver Watt, University of South Australia		
2.20 – 2.49 Coffee brea	ak				
2.50 – 3.20 Concurrent	session				
ASCEPT lecture		APSA lecture Chair: Assoc Prof Joseph Nicolazzo,			
<b>global challenge of ageing well - 227</b> Prof Sarah Hilmer, Royal North Shore Hospital; The University of Sydney		collaboration worth it? - 228 Prof Tina Brock, Monash University Sponsored by NAPE National Alliance for Pharmacy Education			
3.21 – 3.41 Concurrent Time to view posters and vis	it the sponsors portal	Meet the speaker discussion group Facilitator: Assoc Prof Joseph Nicola (20 pre-registered participants)			
3.41 – 3.49 Mini break					
	t oral sessions	Qual presentations 10: Dura	Oral presentations 11: Improvin		
Oral presentations 8: Pharmacoepidemiology—Drugs and ageing Sponsored by	Oral presentations 9: Neuro- & Urogenital Pharmacology	Oral presentations 10: Drug Delivery, Disposition & Response	Sponsored by		
AUSTRALIAN MEDICINES HANDBOOK			improving lives		
		Lingur, Accor Drot Corpolia			
<b>Chair:</b> Dr Lisa Kalisch Ellett, University of South Australia	Chair: Dr Jennifer Deuis, The University of Queensland	<b>Chair:</b> Assoc Prof Cornelia Landersdorfer, Monash University	<b>Chair:</b> Assoc Prof Joy Spark, University of New England		
	Chair: Dr Jennifer Deuis, The University of Queensland Differential sleep/wake response and sex effects following acute suvorexant, MK-1064 and zolpidem administration in the rTg4510 mouse model of tauopathy - 234 Mr Ryan Keenan, The University of Melbourne	A safety, tolerability and pharmacokinetic study of a novel simvastatin silica-lipid hybrid formulation in healthy male participants - 239 Ms Tahlia Meola, University of South Australia			

aging mice - 240

of Sydney

Dr Nicholas Hunt, The University

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Sydney

## Wednesday 25 November 2020 continued

Older adult and caregiver attitudes towards deprescribing A systematic review - 231 Dr Kristie Weir, University of South Australia	Positive allosteric mo the M4 muscarinic a receptor reverses M induced hyperlocom sensorimotor gating mice - 236 Dr Emma van der We Monash University	cetylcholine K-801 notion and deficits in	•	dels - <mark>241</mark>	explic of pot prescr diabet Mr Me	opment and validation of it criteria for identification centially inappropriate ribing for people with type 2 tes mellitus - 246 ohammed Ayalew, rsity of New England	
Improving acute care for people	Utilizing mini-G prote			caffeine intake on		ion of postoperative opioid	
with dementia: Dementia Coho		•	the renal clearance of calcium,		use after hip or knee surgery: A		
in Acute caRE settings study (D-	orexin receptor phar - 237	macology	sodium and creatinine in healthy		systematic review and meta-		
CARE) - 232 Dr Mouna Sawan, The University		arn, Porkins	adults - 242 Dr Hayley Schultz, University of		analysis - 247 Miss Xinyi Wang, The University of		
of Sydney	Institute of Medical R	-	South Australia		Sydney		
Tools to evaluate medication	Entry of valproate ar		The effect of chronic		Supporting medication		
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Miss Melissa Gench, The	Melbourne		Dr John Mach, The University of		Mrs Natasha Taufatofua, The		
University of Sydney			Sydney		University of Queensland		
5.10–5.14 Mini break							
5.15 – 6.00 Concurre	nt session						
	king the hard questions	Get social - h	ow social	Networking ever	nt—	Time to view posters	
- developing tolerance of - w	hat are we doing to	media can help maximise		'speed dating' style		and visit the	
uncertainty in our ma	ke diversity and	the reach and impact of				sponsors portal	
students inc	lusion matter?	our research		1011 5.15 - 5.45pill spo		sponsors portai	
	oc Prof Tina Hinton	Dr Arisbel Bat					
	nited to 20 pre-	(limited to 20	· · · · · · · · · · · · · · · · · · ·				
registered participants) reg	istered participants)	registered pa	rticipants)				

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## Thursday 26 November 2020, 12.00 – 4.00 pm Australian Eastern Daylight Time (AEDT)

9.00 – 11.59 Time to view po	sters and visit the sponse	ors portal			
12.00 – 1.25 Concurrent sess	ion				
Certara New investigator award		APSA Emerging Lea	aders session		
Sponsored by	CEDTADAQ				
Chain Da Daniala Calidia Tha University	CERTARA	<b>Charles</b> Associations			
Chair: Dr Danijela Gnjidic, The University of Sydney Understanding the imprecision of precision dosing - 300		Chair: Assoc Prof Joseph Nicolazzo, Monash University Implementation and evaluation of a virtual pharmacy Objective			
Dr Sophie Stocker, The University of Sydn	-	Structured Clinical Exar			
Di soprile stocker, me oniversity of sydney		Dr Vivienne Mak, Mona			
Novel BRET approaches to understand th	e complexities of		ntion using a web-based tool to reduce high-		
endogenous GPCR function - 301		risk medication use in older in-patients - 305			
Dr Carl White, University of Western Australia		Dr Emily Reeve, University of South Australia			
Rational design of dose individualisation	strategies for 5-Fluorouracil	-	chanisms behind the oral bioavailability		
(5-FU) - <mark>302</mark>		enhancement of abiraterone acetate by silica-lipid hybrid			
Dr Stephanie Reuter Lange, University of S	outh Australia	formulations - 306			
Concomitant proton pump inhibitor use	and survival in nationts with	Dr Hayley Schultz, Unive	•		
advanced cancer treated with atezolizur	-	Evaluation of a pilot vancomycin therapeutic drug monitoring (TDM) service using an interrupted time series analysis - 307			
Dr Ashley Hopkins, Flinders University		Dr Sophie Stocker, The			
1.25 – 1.39 Coffee break		· · ·	· · ·		
1.40 – 2.40 Concurrent sym	nosium sossion				
Symposium 4: Global challenges in	Symposium 5: Innovati	ive theraneutic	Symposium 6: Interdisciplinary strategies to		
education: Creating an inclusive	approaches of resolution		address unwarranted variation in high-risk		
environment			medicines use in aged care		
			Sponsored by		
			evolve		
			Level is a subset resource owing usite the orientation		
Chairs: Assoc Prof Elizabeth Davis, Monas	•	elena Qin, Monash	Chair: Dr Edwin Tan, The University of Sydney		
University, and Assoc Prof Christian Moro, Bond Universit	University, and Prof Ross Vlahos, RMIT	Linivorcity			
Supporting and including our Internation		•	Geographical and intra-facility variation in		
students - 308	defines a novel molecu	• •	medicines use in Australian aged care		
Assoc Prof Betty Exintaris, Dr Nilushi	cancer - <u>312</u>		facilities - 316		
Karunaratne and Dr Suzanne Caliph, Mon	ash Prof Steven Bozinovski,	RMIT University	Dr Janet Sluggett, University of South Australia		
University					
Promoting gender equity and diversity in			Unexplained variation in psychotropic use in		
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Assoc Prof Tina Hinton, The University of	Research Centre, Irelan	Diabetes Complications	culture contribute? - 317 Dr Mouna Sawan, The University of Sydney		
Sydney You wouldn't ask a goldfish to climb a tre		d pro-resolving mediator	Medication Advisory Committees: A mean		
Neurodiversity and associated opportun			to address unexplained variation in		
for inclusion and improved outcomes for			medicines use - 318		
- 310			Prof Simon Bell, Monash University		
Dr Arlene Taylor, integré FUTURES					
Strengthening Indigenous health workfo		-	The Registry of Senior Australians (ROSA)		
- 311 Assoc Prof Karen Adams, Monash Univers	inflammation in the he		Outcome Monitoring System: Quality and		
Assoc Prof Karen Adams, Monash Univers	ity Prof Rebecca Ritchie, M	ionash oniversity	safety indicators for examining unwarrante care variation - 319		
			Assoc Prof Gillian Caughey, South Australian		
			Health and Medical Research Institute		
			(SAHMRI)		
Panel discussion	Panel discussion		Panel discussion		
			(including Dr Angelita Martini, Brightwater		
			Research Centre)		

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2.40 – 2.59 Coffee break

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3.00 – 3.33 APSA medal

Chair: Assoc Prof Joseph Nicolazzo, Monash University

### A Tribute to Dot Saville

Prof Andrew McLachlan, The University of Sydney

### The magic of LiPhe: Leadership in pharmacy/pharmacology education - 320

Prof Kevin Batty, Curtin University

3.35 – 4.00 Meeting close and awards

Dr Danijela Gnjidic, ASCEPT President

Assoc Prof Joseph Nicolazzo, APSA President